



FortiSwitch 1024E Series

FS-1024E, FS-T1024E

QuickStart Guide

Before you begin

Register your device to access FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage.

<http://support.fortinet.com>



May 02, 2022

This guide covers models: FS-1024E and FS-T1024E

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The Essentials

Default Logins



https://192.168.1.99
Username: **admin**
Password: **leave blank**

Admin Guide

For a detailed Getting Started guide, setup and configuration information, refer to the Admin Guide on <https://docs.fortinet.com/>

Customer Service

For contracts, licensing, product registration and account management, contact FortiCare Support at <https://www.fortinet.com/support/contact>

Self-service Resources

Access our knowledge base, forums, videos and technical experts at <https://www.fortinet.com/support/support-services/forticare-support>

Thank you for choosing Fortinet

Package Contents

FortiSwitch 1024E Series

FS-1024E and FS-T1024E



FortiSwitch Device



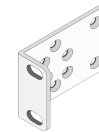
QuickStart Guide



2x AC Power Cables



1x Console Cable (RJ45 to USB)



2x Rack Mount Brackets



8x Bracket Screws

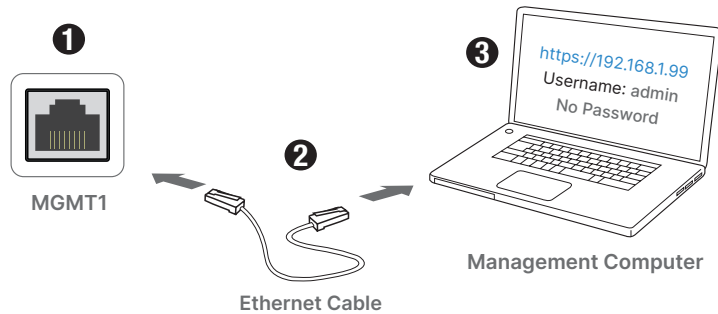


4x Rubber Feet

Setup Options

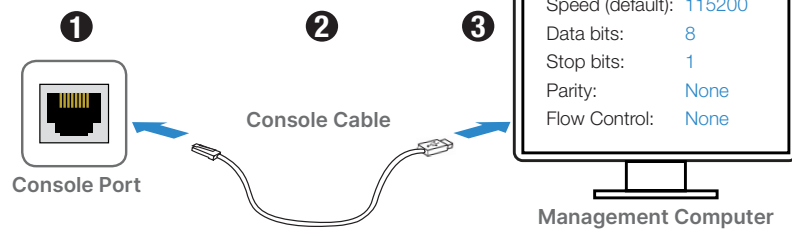
Set up your Fortinet device locally or use cloud management mode.

GUI



Note: For static IP configuration, use 192.168.1.1 with subnet mask 255.255.255.0

CLI

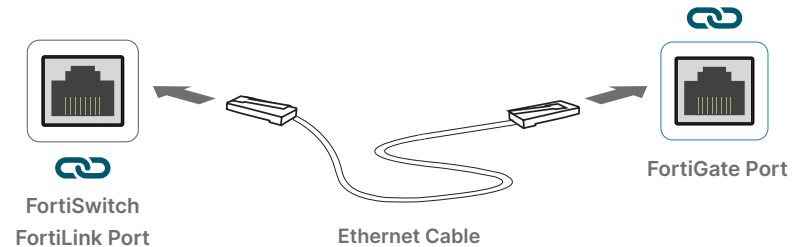


Note: For a detailed CLI guide, visit docs.fortinet.com

Cloud Management (Connect a port to the Internet)

- 1 Visit support.fortinet.com to register your device and cloud management license
- 2 Sign in at <https://fortilan.forticloud.com> to manage your Inventory List

FortiLink

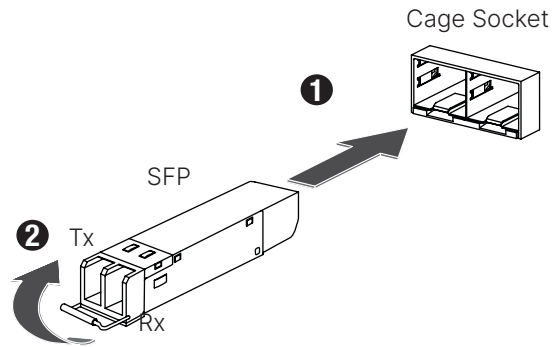


Note: Connect the FortiSwitch Port to FortiGate Port that is not an HA port

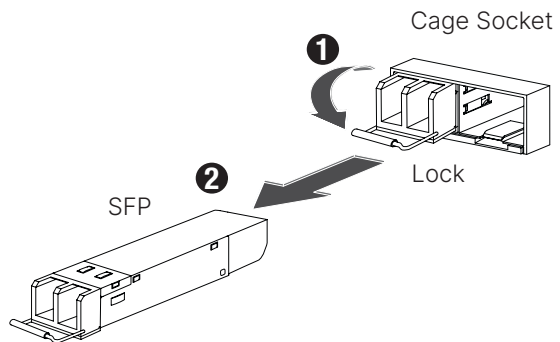
- 1 Login to the FortiGate and go to **WiFi & Switch Controller -> FortiLink Interface**
- 2 Add a **FortiGate Port** in the FortiLink interface and choose **Automatically authorize devices**
- 3 When the FortiSwitch is online in the **WiFi & Switch Controller -> Managed FortiSwitch** section, you can now manage your FortiSwitch

SFP Modules

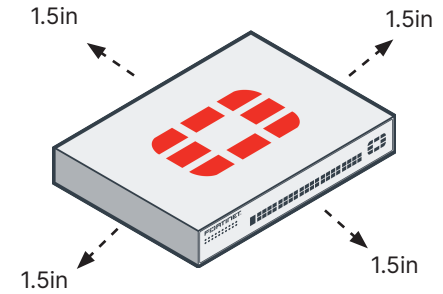
Installation



Removal

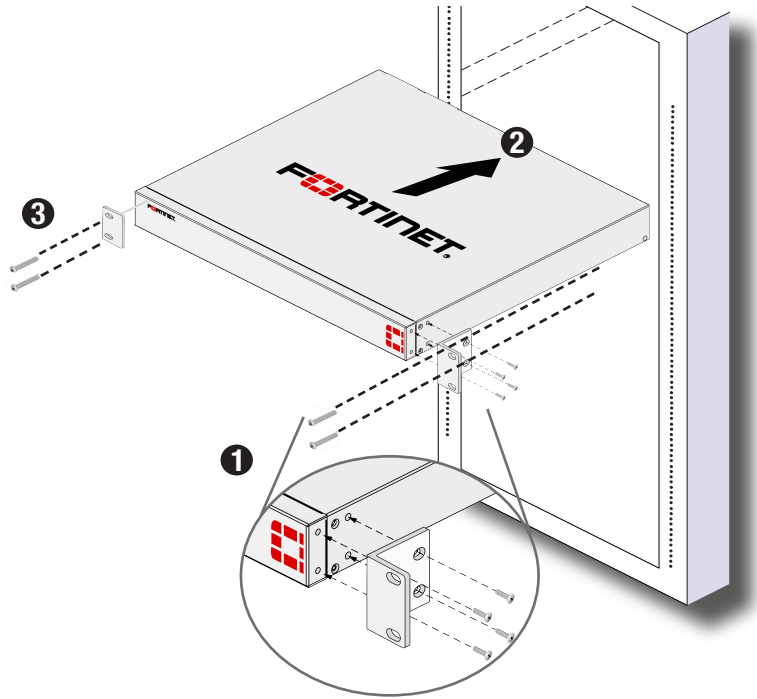


Desktop Mount



Note: Place the device on a flat, clean and stable surface.

Rack Mount

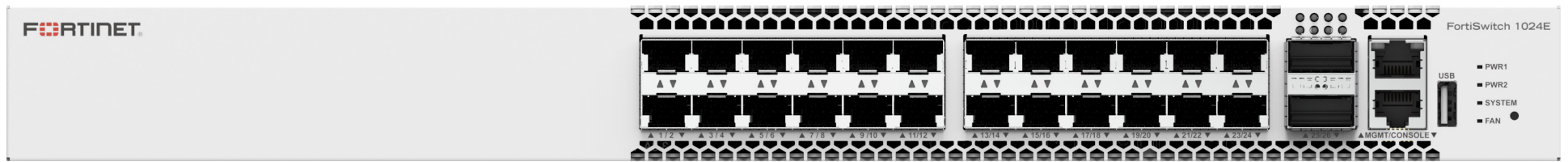


Rack mount brackets may vary as shown above

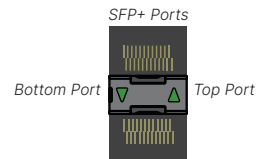
Note: The recommended clearance is 1.5 inches above and below the device.

Caution: To avoid personal injury or damage to the device, it is recommended that two or more people mount the device on a rack.

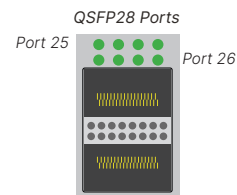
FS-1024E



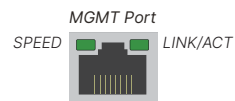
- 1 Ports 1 to 24 (SFP+)** 10 Gbps ports
- ▼ **Green:** Link established
 - ↔ **Flashing Green:** Transmitting data
 - ▼ **Off:** No link established



- 2 Ports 25 to 26 (QSFP28)** 100 Gbps ports
- **Green:** Link established
 - ↔ **Flashing Green:** Transmitting data
 - **Off:** No link established



- 3 MGMT (RJ45)** 1GE for device management, default IP 192.168.1.99
- SPEED**
- **Green:** Connected at 1 Gbps
 - **Amber:** Connected at 100 Mbps
 - **Off:** Connected at 10 Mbps or off
- LINK/ACT**
- **Green:** Link established
 - ↔ **Flashing Green:** Data activity
 - **Off:** No link established



CONSOLE (RJ45) CLI management computer interface

- 4 USB (USB A)** USB 2.0 server port

- 5 PWR1**
- **Green:** Power supply 1 supplying power
 - ↔ **Flashing Amber:** Power supply 1 failure
 - **Off:** Power supply 1 is disconnected

PWR2

- **Green:** Power supply 2 supplying power
- ↔ **Flashing Amber:** Power supply 2 failure
- **Off:** Power supply 2 is disconnected

SYSTEM

- **Green:** Operating normally
- ↔ **Flashing Green:** Booting up
- **Red:** System failure

FAN

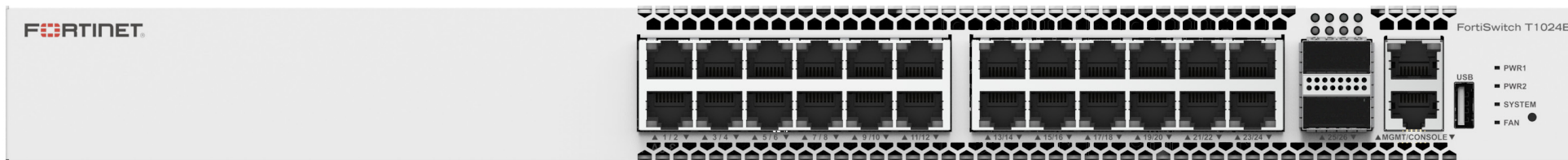
- **Green:** Fans operating normally
- **Amber:** Fan failure

- 6 FANS** Swappable fans

- 7 POWER SUPPLIES** Swappable and redundant, 100-240V AC, 3.8A-1.5A, 50-60Hz
- **Green:** Operating normally
 - **Red:** No power cord connection or power failure



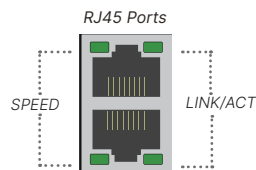
FS-T1024E



- ①
- ②
- ③
- ④
- ⑤

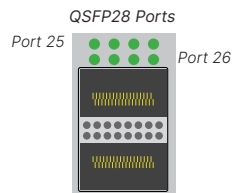
① Ports 1 to 24 (RJ45) 10GE ports

- LINK/ACT**
- **Green:** Link established
 - ⚡ **Flashing Green:** Data activity
 - **Off:** No link established
- SPEED**
- **Green:** Connected at 10 Gbps
 - **Amber:** Linked at 5 Gbps/ 2.5 Gbps/1 Gbps
 - **Off:** Linked at 100 Mbps or no link established



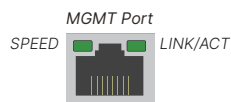
② Ports 25 to 26 (QSFP28) 100 Gbps ports

- **Green:** Link established
- ⚡ **Flashing Green:** Transmitting data
- **Off:** No link established



③ MGMT (RJ45) 1GE for device management, default IP 192.168.1.99

- SPEED**
- **Green:** Connected at 1 Gbps
 - **Amber:** Connected at 100 Mbps
 - **Off:** Connected at 10 Mbps or off
- LINK/ACT**
- **Green:** Link established
 - ⚡ **Flashing Green:** Data activity
 - **Off:** No link established



CONSOLE (RJ45) CLI management computer interface

④ USB (USB A) USB 2.0 server port

⑤ PWR1

- **Green:** Power supply 1 supplying power
- ⚡ **Flashing Amber:** Power supply 1 failure
- **Off:** Power supply 1 is disconnected

PWR2

- **Green:** Power supply 2 supplying power
- ⚡ **Flashing Amber:** Power supply 1 failure
- **Off:** Power supply 2 is disconnected

SYSTEM

- **Green:** Operating normally
- ⚡ **Flashing Green:** Booting up
- **Red:** System failure

FAN

- **Green:** Operating normally
- **Amber:** Fan failure

⑥ FANS

Swappable fans

⑦ POWER SUPPLIES

Swappable and redundant, 100-240V AC, 3.8A-1.5A, 50-60Hz

- **Green:** Operating normally
- **Red:** No power cord connection or power failure



- ⑥
- ⑦

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 45°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

Température ambiante élevée - S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (T_{ma}) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

Ventilation réduite - Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Chargement Mécanique - Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas liée à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Surtenison - Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Fiabilité de la mise à la terre - Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Battery - Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie - Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

CAUTION:

There is a danger of explosion if a battery is incorrect replaced. Replace only with the same or equivalent type.

Dispose batteries of according to the manufacturer's instructions.

Disposing a battery into fire, a hot oven, mechanically crushing, or cutting it can result in an explosion.

Leaving a battery in an extremely hot environment can result in leakage of flammable liquid, gas, or an explosion.

If a battery is subjected to extremely low air pressure, it may result in leakage of flammable liquid, gas, or an explosion.

WARNING:

Lithium-Batterie Achtung: Explosionsgefahr bei fehlerhafter Batteriewechsel. Ersetzen Sie nur den gleichen oder gleichwertigen Typ. Batterien gemäß den Anweisungen des Herstellers entsorgen.

Beseitigung einer BATTERIE in Feuer oder einen heißen Ofen oder mechanisches Zerkleinern oder Schneiden einer BATTERIE, die zu einer EXPLOSION führen kann

Verlassen einer BATTERIE in einer extrem hohen Umgebungstemperatur, die zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann

Eine BATTERIE, die einem extrem niedrigen Luftdruck ausgesetzt ist, der zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann.

CAUTION: Shock Hazard. Disconnect all power sources.

ATTENTION: Risque d'électrocution. Débranchez toutes les sources d'alimentation.

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-003 (A) / NMB-003 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。
V C C I - A

Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:

限用物質含有情況表 (RoHS Table) 請到以下 網址下載:

<https://www.fortinet.com/bsmi>

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

英屬蓋曼群島商防特網股份有限公司台灣分公司

地址：台北市內湖區行愛路176號2樓

電話：(02) 27961666

China

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。这种情况下，可能需要用户对其采取切实可行的措施。

For Model FS-T1024E

Korea Certification (KC) – Korea

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Agência Nacional de Telecomunicações (ANATEL) – Brazil

Este produto não é apropriado para uso em ambientes domésticos, pois poderá causar interferências eletromagnéticas que obrigam o usuário a tomar medidas necessárias para minimizar estas interferências.*

Para maiores informações, consulte o site da ANATEL www.gov.br/anatel/pt-br/

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